Power Center

PD-6

Quick Start Guide

www.datavideo.com

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Warnings and Precautions

1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord's rating.
10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.
12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.
13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
    a. When the power cord is damaged or frayed;
    b. When liquid has spilled into the unit;
    c. When the product has been exposed to rain or water;
    d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
    e. When the product has been dropped or the cabinet has been damaged;
    f. When the product exhibits a distinct change in performance, indicating a need for service.

Safety Instructions - Rack Mount

Marking or Instruction Details:

"Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment
compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

D) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate
ratings should be used when addressing this concern.

E) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g.use of power strips)."

" Instructions de montage en Rack - Les instructions de montage en rack suivantes ou similaires sont incluses dans les instructions d'installation :

A) Température ambiante de fonctionnement - S'il est installé dans un rack fermé ou à unités multiples , la température ambiante de fonctionnement du rack peut être supérieure à la température ambiante de la pièce . Par conséquent , il faut envisager d'installer l'équipement dans un environnement compatible avec la température ambiante maximale (Tam), spécifiée par le fabricant .

B) Débit d'air réduit – L'installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement ne soit pas compromise.

C) Charge mécanique - Le montage de l'équipement dans le rack doit être tel qu'une situation dangereuse ne soit pas liée à une charge mécanique irrégulière .

D) Surcharge du circuit d'alimentation- Il faut tenir compte de la connexion de l'équipement au circuit d'alimentation et l' effet que la surcharge des circuits pourrait avoir sur la protection contre les surintensités et les câbles d'alimentation . Un examen approprié des notes des équipements et de la plaque signalétique doit être fait pour traiter cette préoccupation .

E) Mise à la terre fiable – La mise à la terre fiable du matériel monté en rack doit être maintenue . Une attention particulière doit être apportée aux connexions d'alimentation autres que les connexions directes au circuit.(par exemple l'utilisation de multiprises) " .

Warranty

Standard Warranty

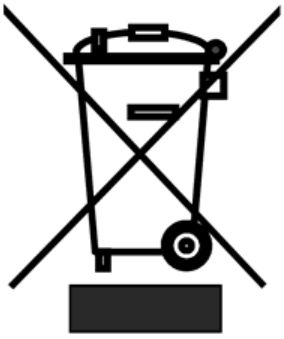
- Datavideo equipment is guaranteed against any manufacturing defects for one year from the date of purchase.
- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair under warranty.
- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered by this warranty.
- All mail or transportation costs including insurance are at the expense of the owner.
- All other claims of any nature are not covered.
- Cables & batteries are not covered under warranty.
- Warranty only valid within the country or region of purchase.
- Your statutory rights are not affected.

Two Year Warranty

- All Datavideo products purchased after 01-Oct.-2008 qualify for a free one year extension to the standard Warranty, providing the product is registered with Datavideo within 30 days of purchase. For information on how to register please visit www.datavideo-tek.com or contact your local Datavideo office or authorized Distributors
- Certain parts with limited lifetime expectancy such as LCD Panels, DVD Drives, Hard Drives are only covered for the first 10,000 hours, or 1 year (whichever comes first).

Any second year warranty claims must be made to your local Datavideo office or one of its authorized Distributors before the extended warranty expires.

Disposal



For EU Customers only - WEEE Marking

This symbol on the product indicates that it will not be treated as household waste. It must be handed over to the applicable take back scheme for the recycling of electrical and electronic equipment. For more detailed information about the recycling of this product, please contact your local Datavideo office.

Packing List

1 x PD-6

1 x Quick Start Guide

1 x Accessory List

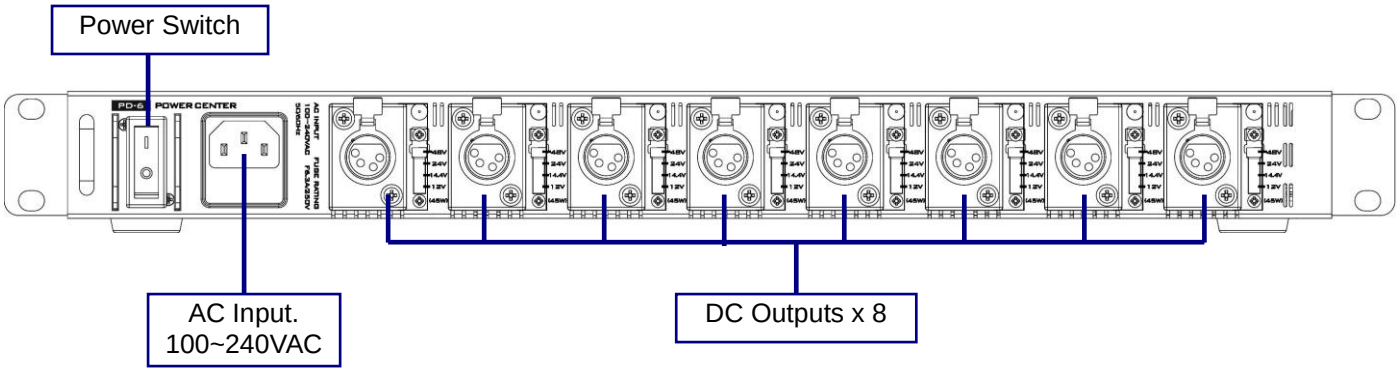
Product Overview

Lights, Cameras, PD-6, The Datavideo PD-6 is a 19” rack mountable universal AC to DC power distribution center. Designed to be used in conjunction with Datavideo Mobile Video Studios, like the MS-900, and the CB-22 / CB-23 / CB-38 all in one cable. The PD-6 supplies a steady user chosen voltage for your non-Datavideo production kit whilst on location or in your studio.

Features

- Automatically adjusts to work with 50Hz or 60Hz supplies between 100-240 VAC.
- 8 DC outputs with a combined total power consumption of 360 Watts.
- Each DC output can be switched to provide either 12 , 14.4 , 24 or 48 Volts.
- Each DC output has a multi-colour LED confirming the chosen voltage by colour.
- The unit is designed to provide both DC & AC overload protection.
- A standard 19” – 1U rack mountable case.

Front Panel

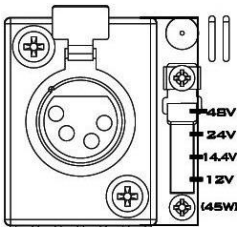


On / Off Switch

Powers the PD-6 On / Off when using AC Power.

AC In with built-in fuse

AC Inlet for connecting to suitable mains power outlet – 100-240VAC. The socket contains a fuse holder fitted with a 6.3A/250V fuse.



DC Output

8 DC outputs with a combined total power consumption of 360 Watts.

Each DC output can be switched to provide either 12, 14.4, 24 or 48 Volts.

Specification

AC Input	Voltage Range	100~240 VAC
	AC frequency	50Hz or 60Hz
	Fuse Rating	6.3A/250VAC
	Efficiency(Typ.)	UP TO 80%
DC Output	DC Voltage	12V、14.4V、24V、48V
	Voltage Tolerance	±3%
	Rated Power(Max)	4 channels for 30W ; 4 channels for 60W
Protection	DC Overload	105%~150% rated output power
		Protection type: Recovery automatically after fault condition is removed
	AC Overload	non-recovery fuse on the AC input outlet
Connector	On/Off Switch	Powers the PD-6 On / Off Light switch indicator
	AC In outlet with built-in fuse	AC Inlet for connecting to suitable mains power outlet – 100-240VAC. The socket contains a fuse holder fitted with a 6.3A /250V fuse.
	4PIN XLR Female	8 Groups DC OUTPUT： (PIN1:GND , PIN2:VCC, PIN3/4:NC)
	Slide Switch	8 Groups Switch： There are four options for each group： 12V、14.4V、24V、48V DC output
Environment	Working Temp	0°C to 40°C (32°F to 102°F)
	Working Humidity	10% to 90% (non condensing)
	Storage Temp. Humidity	-40°C to +85°C, 10~95% RH
Others	Cooling Fan	Has four built-in cooling fans, please ensure that these are not blocked, and that some airflow is available. **N.B. Internal ambient temperature of about 50℃ fan starts.** (2 fans at middle and 1 fan at rightmost) **N.B. Internal ambient temperature of about 70℃ fan starts.** (1 fan closes to the Ground terminal)
	DC Output LED Indicator	LED Color Indicator： Red:48V,light Red:24V,Green:14.4V,Blue:12V
	Dimension	440 mm x 235 mm x 46 mm (L x W x H)
	Weight	Approx. 5.2 kg/ 11.5 lbs
	Ground Terminal	When connecting this unit to any other component, make sure that it is properly grounded by connecting this terminal to an appropriate point. When connecting, use the socket and be sure to use wire with a cross-sectional area of at least 1.0 mm2.

Service & Support

It is our goal to make your products ownership a satisfying experience. Our supporting staff is available to assist you in setting up and operating your system. Please refer to our web site www.datavideo.com for answers to common questions, support requests or contact your local office below.

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